

## EAST Search History

| Ref # | Hits | Search Query   | DBs                | Default Operator | Plurals | Time Stamp       |
|-------|------|--|--------------------|------------------|---------|------------------|
| L1    | 14   | ((("4249726") or ("4650186") or ("4799672") or ("4807875") or ("4815746") or ("4875676") or ("4949959") or ("5273506") or ("5281193") or ("5310394") or ("5314394") or ("5989164") or ("6086520") or ("6293892"))).PN.   | US-PGPUB;<br>USPAT | OR               | OFF     | 2006/09/17 22:15 |
| S1    | 49   | ((("6746379") or ("20040162200") or ("20040220023") or ("4484638") or ("4509745") or ("5310394") or ("4799672") or ("6024529") or ("7052475") or ("20050010143") or ("4915379") or ("5447480") or ("6224512") or ("6224512") or ("4424872") or ("3666086") or ("3874515") or ("3793835") or ("4098491") or ("4380150") or ("4456060") or ("4480491") or ("4483662") or ("4512149") or ("4526048") or ("4545737") or ("4574650") or ("4615491") or ("4767253") or ("4802538") or ("5540523") or ("5600124") or ("5798517") or ("5983615") or ("6369339") or ("5306220") or ("4973050") or ("5281193") or ("4396191") or ("4411425") or ("4928961") or ("4998723") or ("5217421") or ("5273506") or ("5460588") or ("5468203") or ("4294288") or ("4823827") or ("5975166") or ("5476428"))).PN. | US-PGPUB;<br>USPAT | OR               | OFF     | 2006/09/12 15:49 |

## EAST Search History

|    |    |  |                    |    |     |                  |
|----|----|--|--------------------|----|-----|------------------|
| S2 | 48 | (("20040162200") or ("20040220023") or ("6746379") or ("4484638") or ("5638868") or ("6213822") or ("6213822") or ("5551767") or ("6217010") or ("6217010") or ("4799672") or ("4880230") or ("4584974") or ("6024529") or ("6041804") or ("6477997") or ("6527012") or ("6622755") or ("6990935") or ("7052475") or ("20030000589") or ("20050010143") or ("20050109297") or ("5934414") or ("6082831") or ("3922000") or ("4256145") or ("4257714") or ("4274290") or ("4307916") or ("4371318") or ("4419881") or ("4558630") or ("4623134") or ("4769989") or ("4792192") or ("4796428") or ("4800922") or ("4887872") or ("5005920") or ("5195619") or ("5332302") or ("5376135") or ("5387089") or ("5393087") or ("5505228") or ("5655569") or ("5813731") or ("5915348") or ("6050654")).PN. | US-PGPUB;<br>USPAT | OR | OFF | 2006/09/17 21:59 |
| S3 | 50 | (("6746379") or ("20040162200") or ("20040220023") or ("4294288") or ("4823827") or ("5975166") or ("4799672") or ("5579807") or ("4525126") or ("5630318") or ("5655369") or ("5655370") or ("5657629") or ("5839889") or ("5907118") or ("5956953") or ("5988655") or ("6003811") or ("6085521") or ("6193017") or ("3677352") or ("3666086") or ("3653636") or ("3912227") or ("3874515") or ("3871622") or ("3866696") or ("3810524") or ("3793835") or ("4098491") or ("4100977") or ("4243115") or ("4244405") or ("4246978") or ("4249376") or ("4271970") or ("4279319") or ("4301827") or ("4316519") or ("4347049") or ("4353285") or ("4363277") or ("4371306") or ("4371304") or ("4378190") or ("4380150") or ("4382740") or ("4383796") or ("4383790") or ("4390075")).PN.             | US-PGPUB;<br>USPAT | OR | OFF | 2006/09/13 14:41 |

## EAST Search History

|     |      |  |  |    |     |                  |
|-----|------|--|--|----|-----|------------------|
| S4  | 18   | ("4249726"   "4650186"   "4799672"   "4807875"   "4815746"   "4875676"   "4949959"   "5141480"   "5273506"   "5281193"   "5310394"   "5314394"   "5350346"   "5989164"   "6086520"   "6293892"   "6558299").PN. OR ("6746379").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                   | OR | ON  | 2006/09/13 13:50 |
| S5  | 264  | (482/104).CCLS.  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT           | OR | OFF | 2006/09/13 15:26 |
| S6  | 77   | a63b021/078.ipc. not us.cc.  | EPO;<br>DERWENT  | OR | ON  | 2006/09/13 15:32 |
| S7  | 2481 | ((482/92-94) or (482/106) or (482/108) or (482/142)).CCLS.   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT           | OR | OFF | 2006/09/13 15:32 |
| S8  | 2364 | S7 not S5  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/09/13 15:47 |
| S9  | 1034 | S8 and (spotting or spot or barbell or assist\$3 or safety or safely)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/09/14 12:55 |
| S10 | 265  | (482/104).CCLS.  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT           | OR | OFF | 2006/09/14 12:55 |
| S11 | 2485 | ((482/92-94) or (482/106) or (482/108) or (482/142)).CCLS.   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT           | OR | OFF | 2006/09/14 12:55 |
| S12 | 2368 | S11 not S10  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/09/14 12:55 |

## EAST Search History

|     |      |   |  |    |     |                  |
|-----|------|---|--|----|-----|------------------|
| S13 | 1037 | S12 and (spotting or spot or barbell or assist\$3 or safety or safely)            | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/09/14 13:04 |
| S14 | 306  | S13 and (fluid or hydraulic or cylinder or accumulator or reservoir)              | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/09/14 13:28 |
| S15 | 586  | ((482/112) or (482/113)).CCLS.  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT           | OR | OFF | 2006/09/14 13:03 |
| S16 | 529  | S15 not (S10 or S11)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/09/14 13:03 |
| S17 | 171  | S16 and (spotting or spot or barbell or assist\$3 or safety or safely)            | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/09/14 13:14 |
| S18 | 400  | ((482/95) or (482/96)).CCLS.  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT           | OR | OFF | 2006/09/14 13:14 |
| S19 | 313  | (482/907).CCLS.   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT           | OR | OFF | 2006/09/14 13:28 |
| S20 | 69   | S19 and (fluid or hydraulic or cylinder or accumulator or reservoir)              | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/09/14 13:29 |
| S21 | 71   | S19 and (fluid or hydraulic or cylinder or accumulator or reservoir or pneumatic) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/09/14 15:10 |

## EAST Search History

|     |    |  |  |    |     |                  |
|-----|----|--|--|----|-----|------------------|
| S23 | 47 | ("3874658"   "4098502"  <br>"4216959"   "4249726"   "4316609"<br>  "4382596"   "4396191"  <br>"4411425"   "4474370"   "4632390"<br>  "4635930"   "4641837"  <br>"4653751"   "4669724"   "4700944"<br>  "4750739"   "4765616"  <br>"4773642"   "4799672"   "4799673"<br>  "4807875"   "4826157"  <br>"4861025"   "4919419"   "4928961"<br>  "4953857"   "4960277"  <br>"5108354"   "5141480").PN. OR<br>("5281193").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                         | OR | ON  | 2006/09/15 09:43 |
| S24 | 17 | ("4050310"   "4227689"  <br>"4253662"   "4257593"   "4540171"<br>  "4546971"   "4563003"  <br>"4765611"   "4846466"   "5011142"<br>  "5147263"   "5151072").PN. OR<br>("5653666").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                         | OR | ON  | 2006/09/15 09:45 |
| S25 | 58 | ("3374675"   "3902480"  <br>"3992004"   "4063726"   "4089330"<br>  "4185818"   "4226415"  <br>"4240627"   "4402505"   "4531730"<br>  "4619454"   "4647040"  <br>"4660828"   "4666149"   "4678187"<br>  "4746115"   "4750741"  <br>"4757993"   "4795150"   "4819936"<br>  "4826158"   "4846466"  <br>"4865315"   "4877239"   "4969643"<br>  "4976426"   "4979735"  <br>"5058887").PN. OR ("5277681").<br>URPN.            | US-PGPUB;<br>USPAT;<br>USOCR                         | OR | ON  | 2006/09/15 10:03 |
| S26 | 30 | ("3420273"   "3784194"  <br>"3822599"   "4050310"  <br>"4241913").PN. OR ("4353547").<br>URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                         | OR | ON  | 2006/09/15 10:46 |
| S27 | 8  | ((("5310394") or ("6669607") or<br>("4949959") or ("6926649")).PN.   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/09/15 10:46 |
| S28 | 28 | ("3062542"   "3511500"  <br>"3529474"   "3592465"   "3701529"<br>  "3707285"   "3716231"  <br>"3970302"   "4063726"   "4111414"<br>  "4235437"   "4325547"  <br>"4341380"   "4452447"   "4470597"<br>  "4576539"   "4645197"  <br>"4687195"   "4708338").PN. OR<br>("RE34212").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                         | OR | ON  | 2006/09/15 11:23 |

## EAST Search History

|     |    |  |  |    |     |                  |
|-----|----|--|--|----|-----|------------------|
| S29 | 36 | ("0123804"   "3369403"   "3387843"   "3587319"   "3976057"   "4148479"   "4540171"   "4544154"   "4546971"   "4566692"   "4601467"   "4601468"   "4651986"   "4750739"   "4765610"   "4765611"   "4779864"   "4799672"   "4848738"   "4951941"   "4988095").PN. OR ("5147263").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                         | OR | ON  | 2006/09/15 11:36 |
| S30 | 8  | ("4249726"   "4799672"   "5151072"   "5468203"   "5779602"   "5989166"   "6558299"   "6746379").PN. OR ("6926648").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                         | OR | ON  | 2006/09/15 11:45 |
| S31 | 18 | ("4249726"   "4650186"   "4799672"   "4807875"   "4815746"   "4875676"   "4949959"   "5141480"   "5273506"   "5281193"   "5310394"   "5314394"   "5350346"   "5989164"   "6086520"   "6293892"   "6558299").PN. OR ("6746379").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                         | OR | ON  | 2006/09/15 11:45 |
| S32 | 22 | ("4249726"   "4253662"   "4349192"   "4561651"   "4949959"   "4998721"   "5190510").PN. OR ("5310394").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                         | OR | ON  | 2006/09/15 12:15 |
| S33 | 28 | ("2365120"   "2751470"   "3572700"   "3998100"   "4249726"   "4253662"   "4540171"   "4615524"   "4750739").PN. OR ("4807875").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                         | OR | ON  | 2006/09/15 12:31 |
| S34 | 2  | ("4615524").PN.  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/09/15 12:31 |
| S35 | 12 | ("4561651"   "4998721"   "5190510"   "5310394").PN. OR ("5823921").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                         | OR | ON  | 2006/09/15 12:37 |
| S36 | 24 | ("3451271"   "3524644"   "3998100"   "4063726"   "4357010"   "4540171"   "4546971"   "4564194").PN. OR ("4750739").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                         | OR | ON  | 2006/09/15 12:41 |
| S37 | 22 | ("4249726"   "4253662"   "4256301"   "4471956"   "4540171"   "4615524"   "4650185"   "4799672"   "4807875"   "4949959").PN. OR ("5151072").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR                         | OR | ON  | 2006/09/15 12:47 |

## EAST Search History

|     |     |  |  |    |     |                  |
|-----|-----|--|--|----|-----|------------------|
| S38 | 586 | (482/112-113).CCLS.  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT           | OR | OFF | 2006/09/15 14:46 |
| S39 | 49  | (US-20060194678-\$ or<br>US-20060135324-\$ or<br>US-20040220023-\$ or<br>US-20030114277-\$ or<br>US-20040162200-\$).did. or<br>(US-6632159-\$ or US-5281193-\$ or<br>US-5653666-\$ or US-5277681-\$ or<br>US-4609190-\$ or US-4353547-\$ or<br>US-RE34212-\$ or US-5147263-\$ or<br>US-4846458-\$ or US-6926648-\$ or<br>US-5064193-\$ or US-4509745-\$ or<br>US-4257593-\$ or US-5312313-\$ or<br>US-6746379-\$ or US-5934414-\$ or<br>US-5505228-\$ or US-5310394-\$ or<br>US-4799672-\$ or US-4396191-\$ or<br>US-6558299-\$ or US-6086520-\$ or<br>US-5350346-\$ or US-5141480-\$ or<br>US-4807875-\$ or US-6926649-\$).<br>did. or (US-6283898-\$ or<br>US-5823921-\$ or US-4750739-\$ or<br>US-5011141-\$ or US-4615524-\$ or<br>US-5151072-\$ or US-5788616-\$ or<br>US-4546971-\$ or US-4050310-\$ or<br>US-5058887-\$ or US-4063726-\$ or<br>US-3902480-\$ or US-4826156-\$ or<br>US-3420273-\$ or US-4452447-\$ or<br>US-3369403-\$ or US-0123804-\$ or<br>US-4249726-\$).did. | US-PGPUB;<br>USPAT   | OR | ON  | 2006/09/15 14:47 |
| S40 | 13  | S39 and accumulator  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/09/15 15:23 |
| S42 | 14  | ("3420273").URPN.  | USPAT  | OR | ON  | 2006/09/15 15:54 |
| S43 | 265 | (482/104).CCLS.  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT           | OR | OFF | 2006/09/17 14:35 |
| S44 | 101 | (482/135).CCLS.  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT           | OR | OFF | 2006/09/17 14:43 |

## EAST Search History

|     |       |  |  |    |     |                  |
|-----|-------|--|--|----|-----|------------------|
| S45 | 96    | (482/101).CCLS.  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT           | OR | OFF | 2006/09/17 14:43 |
| S46 | 177   | (482/113).CCLS.  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT           | OR | OFF | 2006/09/17 16:31 |
| S47 | 12    | S46 and ((gauge or gage) and safety and valve)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/09/17 16:34 |
| S48 | 20278 | hydraulic WITH accumulator   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/09/17 19:48 |
| S49 | 25    | S48 and "482"/\$.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/09/17 16:35 |
| S50 | 16    | ("4208049"   "4627616"   "4793608"   "5029848"   "5312313"   "5330405"   "5334120"   "5352171").PN. OR ("5492518").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                   | OR | ON  | 2006/09/17 19:47 |
| S51 | 20278 | hydraulic WITH accumulator   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/09/17 19:48 |
| S52 | 173   | S51 and (foot WITH pump)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/09/17 19:51 |
| S53 | 45    | ((hydraulic or hydropneumatic) with accumulator) and (foot NEAR3 pump)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/09/17 20:53 |



## EAST Search History

|     |     |  |  |    |    |                  |
|-----|-----|--|--|----|----|------------------|
| S54 | 0   | ((hydraulic or hydropneumatic) with accumulator) and (footpump)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/09/17 20:53 |
| S55 | 8   | ((hydraulic or hydropneumatic) with accumulator) and (handpump)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/09/17 20:55 |
| S56 | 433 | ((hydraulic or hydropneumatic) with accumulator) and (hand near3 pump)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/09/17 20:55 |
| S57 | 23  | ("4234979"   "4369966"  <br>"4624457"   "4634127"   "4754508"<br>  "4826157"   "4861025"  <br>"4936572"   "4974839"   "5056779"<br>  "5106081"   "5322489"  <br>"5402544"   "5437589"   "5727764"<br>  "5833590"   "5882283"  <br>"5921897"   "D369840"  <br>"D384116"   "D390287").PN. OR<br>("6645130").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                                   | OR | ON | 2006/09/17 20:57 |
| S58 | 84  | ("0321388"   "0382440"  <br>"0482028"   "1582487"   "1928089"<br>  "2632645"   "2855200"  <br>"2977120"   "3005633"   "3010720"<br>  "3103357"   "3268224"  <br>"3307534"   "3316609"   "3342485"<br>  "3614097"   "3625511"  <br>"3640528"   "3734495"   "3770267"<br>  "3850431"   "3918710"  <br>"3948513"   "4010947"   "4026545"<br>  "4046373"   "4068843"  <br>"4098509"   "4257590"  <br>"Re26606").PN. OR ("4369966").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                   | OR | ON | 2006/09/17 20:58 |

## EAST Search History

|     |    |  |                              |    |    |                  |
|-----|----|--|------------------------------|----|----|------------------|
| S59 | 34 | ("4234979"   "4369966"  <br>"4624457"   "4634127"   "4754508"<br>  "4826157"   "4861025"  <br>"4936572"   "4974839"   "5056779"<br>  "5106081"   "5322489"  <br>"5402544"   "5437589"   "5727764"<br>  "5833590"   "5882283"  <br>"5921897"   "D314026"  <br>"D327719"   "D369840"  <br>"D384116"   "D390287"  <br>"D390895").PN. OR ("6264586").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2006/09/17 20:59 |
|-----|----|--|------------------------------|----|----|------------------|